New York Notebook, N-81-09-13.1

This notebook is undated but was probably used sometime during the 1880s. It is the first of two books containing notes about arc and incandescent lighting patents issued to various inventors between 1879 and 1881. Included are copies of patent drawings, along with notations of the filing and issue dates of the patents. Some of the entries also contain cross references to the claims recorded in Notebook N-81-09-13.2. There are 166 numbered pages preceded by an index.

Blank pages not filmed: 18-19, 22-23, 26-27, 30-31, 36-39, 82-83.

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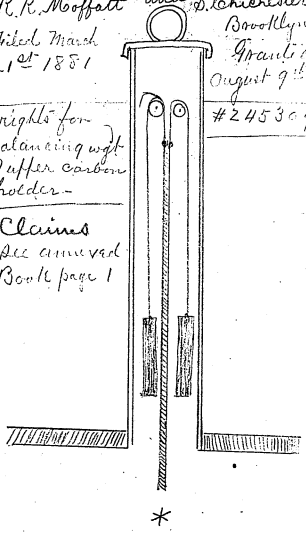
R. R. Moffatt and S. Chichester
Brooklyn N.Y.
Granted
August 9th 1881
#245309

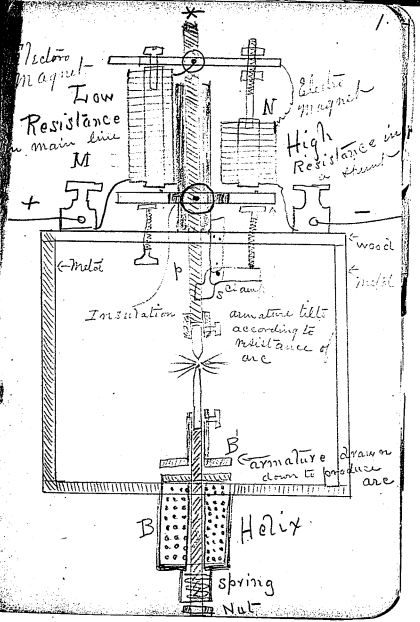
Filed March
21st 1881

Weights for
balancing wgt
of upper carbon
holder.

Claims
See annexed
Book page 1

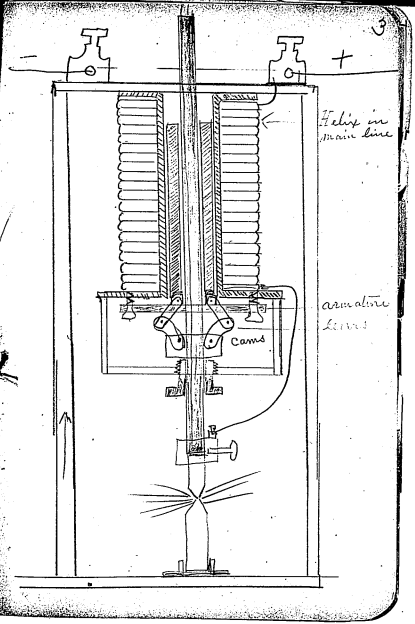


1.



2 Knowles - Brooklyn N.Y.
246957 - filed June 14th 1881
Granted Sept 13th 1881

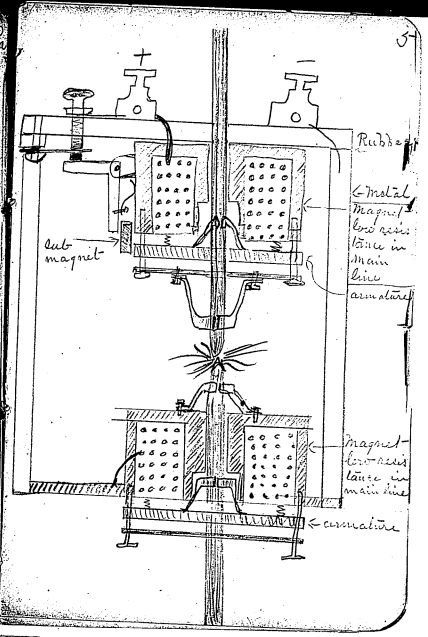
Claims - see annexed
Book page 3



4) P. J. & J. J. McTighe Pittsburgh Pa.
Filed April 18th 1881
Granted Aug 23rd 1881
#246178

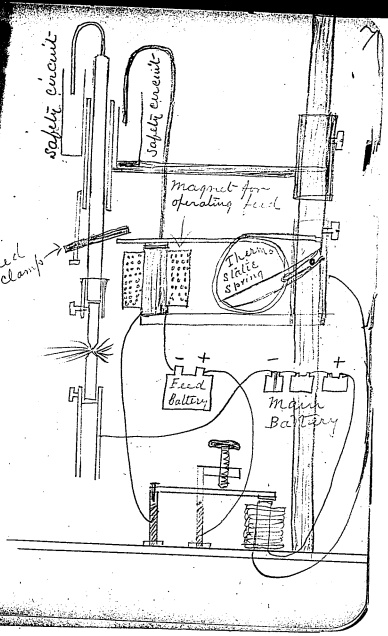
To produce the arc the upper armature is drawn up twice as much as the lower one.

Claims - See answered book page 5



6/ Edison Brooklyn N.Y.
227025-
Filed Nov 26th 1879
Granted April 27th 1880

Claims see annexed
book page 8

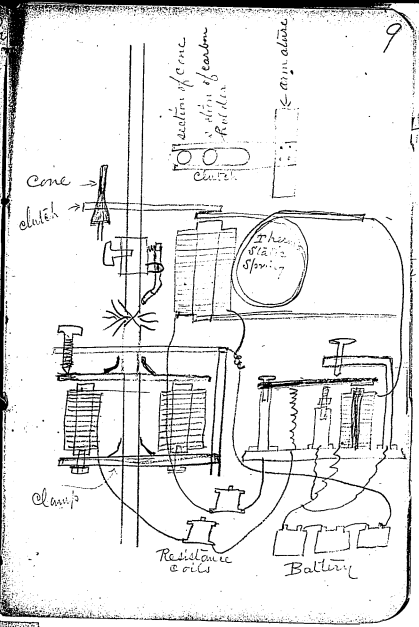


8

Levison Brooklyn N.Y.
239811
Filed August 25th 1850
Granted April 8th 1851

Claims see annexed
Book page 11

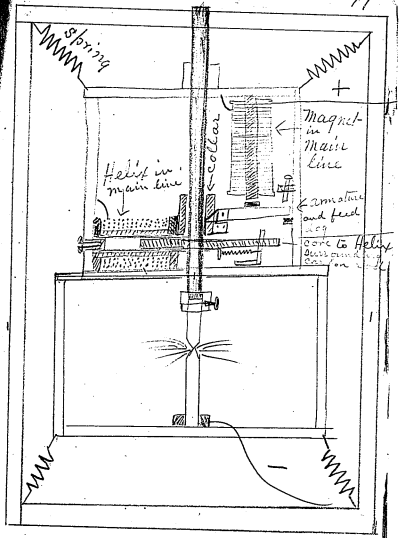
9



10. Wooley Mendon Mich
241112
Filed Nov 24th 1880
Granted May 3rd 1881

Claims see annexed
Book page 14

11



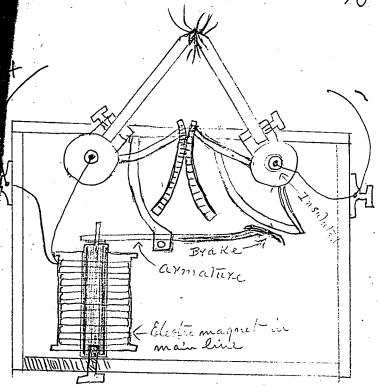
Best - Montreal Can

245933

Filed March 9th 1881

Granted Aug^st 23 1881

Claims Allannexed Book page 16

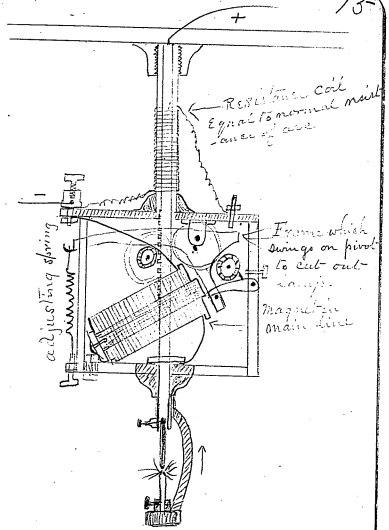


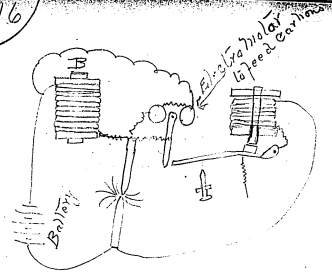
14 Wood Brooklyn N.Y.
233589
Filed July 19th 1880
Granted Oct 19th 1880

Says essence of invention is the cut out –

Claims are answered
Book page 18

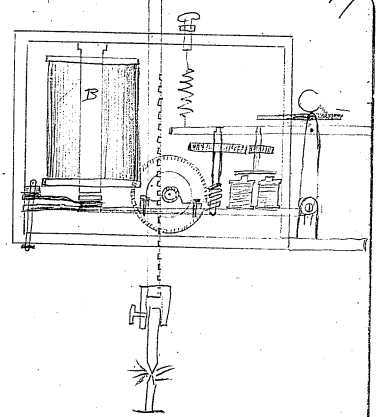
15





Haskins Murryonte
#237271
Filed Dec 4th 1880
Granted Feb 1st 1881

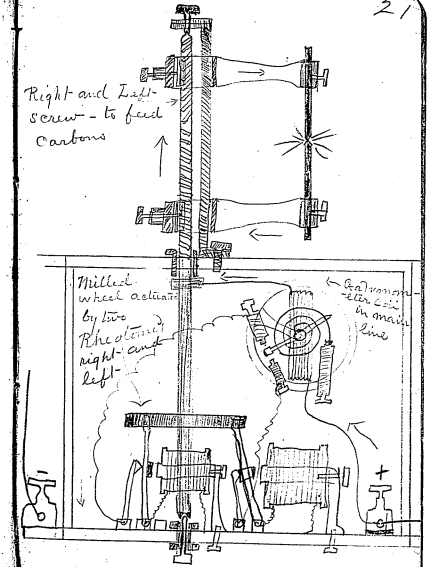
Claims - see annexed Book page 20



20 / Smithers Brooklyn NY
#240781
Filed May 21st 1880
Granted April 26th 1881

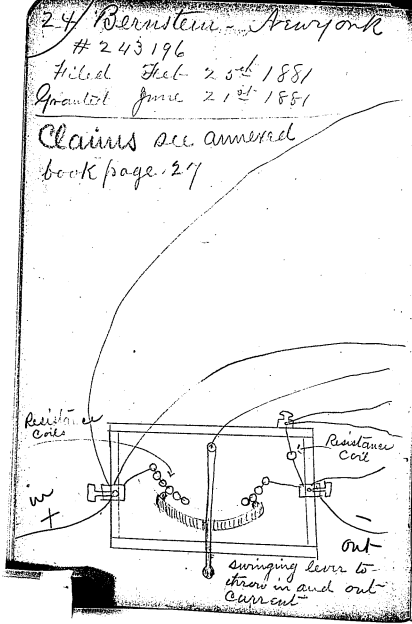
Claims see page 23
annexed book

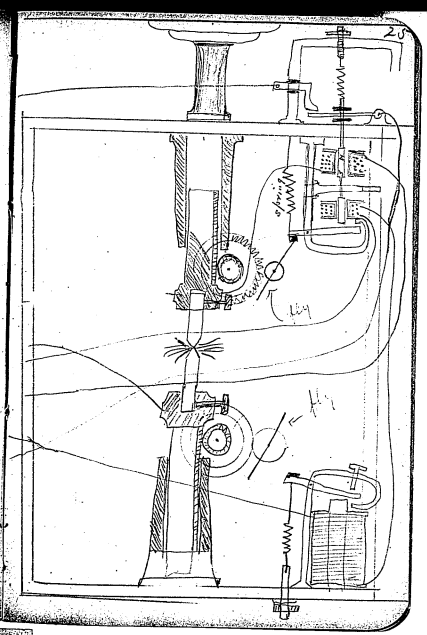
21



24 Bernstein - Newyork
#243196
Filed Feb. 25th 1881
Granted June 21st 1881

Claims see amended book page 27

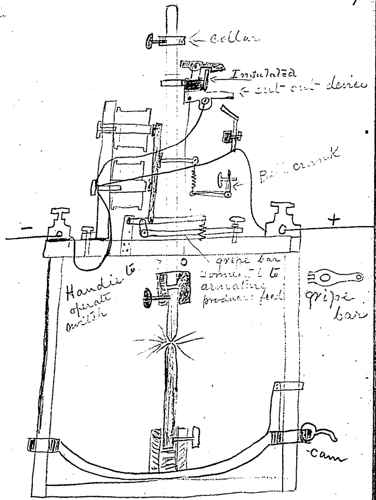




Hill. Boston Mass
246390
Filed April 30th 1881
Granted Augt 30th 1881

Westons Lamp - with Hills improvements -

Claims see annexed book
page 30



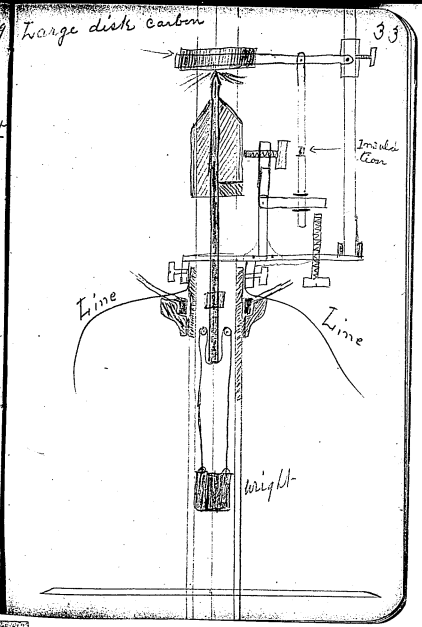
32) Werderman London Eng
240795
Filed June 30th 1880
Granted April 26th 1881

Patented in England June 21st 1878 and June 10th 1879

A small pencil of carbon kept just in contact with large disk of carbon by gravity feed

Claims - see annexed Book page 33

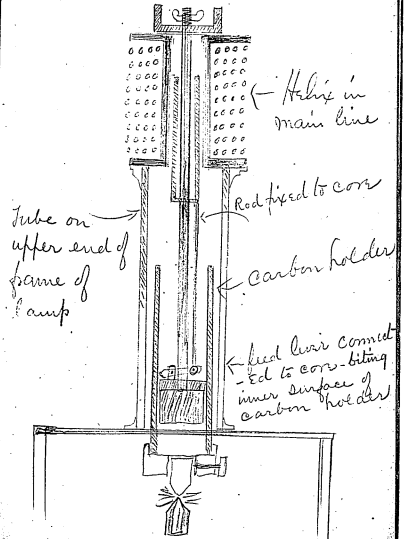
33



34) Wooley Mendon Mich
243748
Filed Feb 24th 1881
Granted July 5th 1881

No wire connections shown in specification - Drawings simply to illustrate feed device -

Claims - see annexed book page 36



40) Bureau - Ghent - Belgium

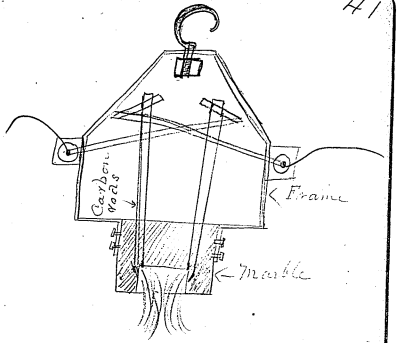
#242747

Filed May 27th 1880

Granted June 14th 1881

Claims see annexed book page 39

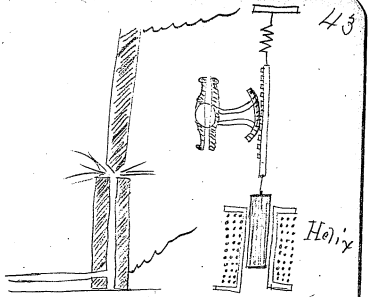
41



42) Keith - Arizona
246517
Filed Dec 7th 1898
Granted Aug 30th 1881

Object is to feed arc lamps with combustible gases & vapors to compensate for waste by electric action —

Claims are answered back page



44) Keith - New York

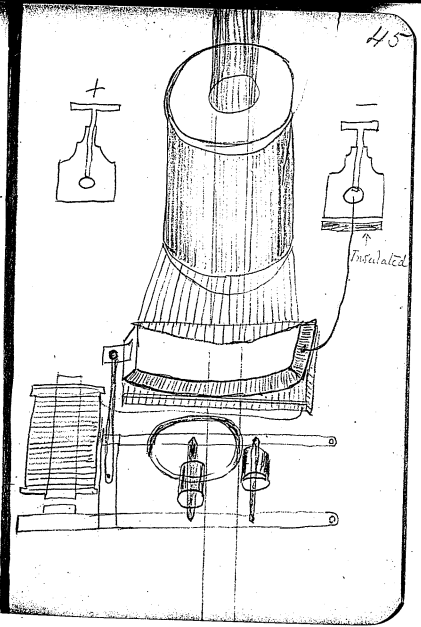
#242137

Filed May 4th 1880

Granted May 31st 1881

Shows no connections = but says can be connected up in any suitable way -

Claims see annexed book page 40



46) Wooley - Menden Mich.

#243749

Filed Feb'y 16th 1881.

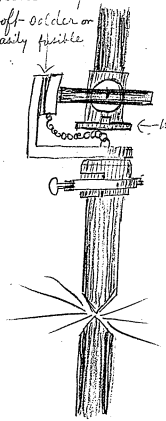
Granted July 5th 1881

Object is to prevent lamp or generator being injured when carbons are consumed (by short circuit)

Claims see annexed book page 43

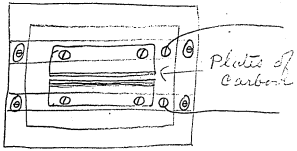
47

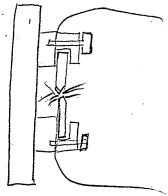
Joined by soft-solder or easily fusible



48 Wallace Ansonia Comm
198436
Filed November 14th 1877
Granted December 18th 1877

Claims see annexed book page 46.





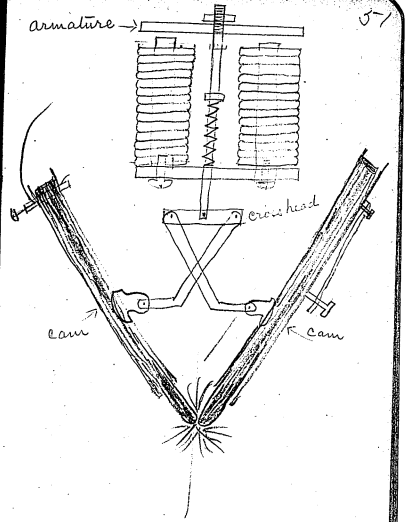
50 / King Arizona Conn

200545

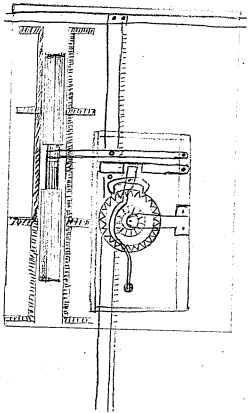
Filed Jan 3rd / 1878

Granted Feb 19th / 1878

Claims See annexed book page 47



N. 9



54/ Altenreck Berlin Ger

243341

Filed Sept 16th 1879

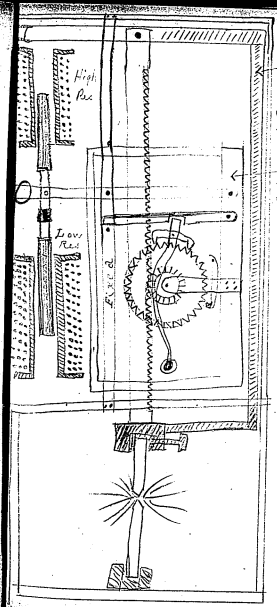
Granted July 21st 1881

Patented in England Dec 4th 1879

The coil of high resistance is in an external circuit –

The Coil of low resistance is in circuit with carbons

Claims See annexed book page 48



86 Albanock # 243341.

Modification of above Patent.

Fig 1

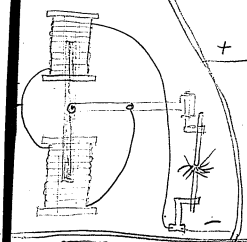
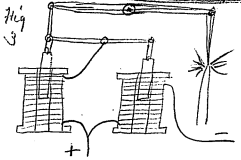


Fig 2

Fig 3



58

Weston = Newark N.J.

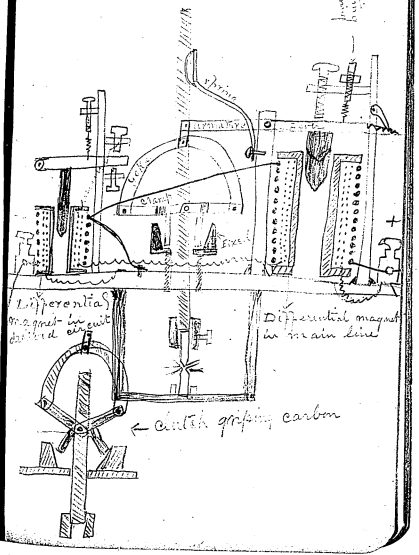
240210

Filed July 5th 1879

Granted April 12th 1881

Claims [illegible] recorded book page 50

59



60 Brush Cleveland

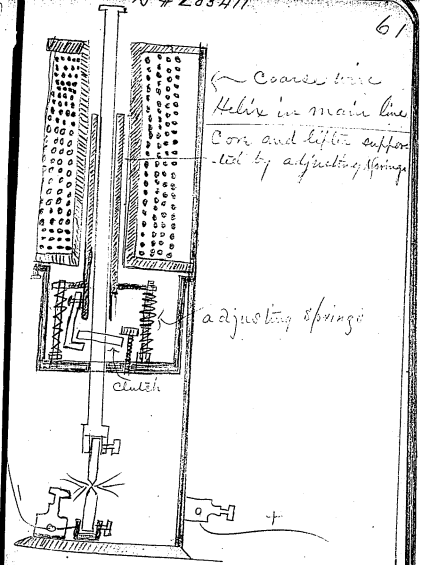
203411

Filed Oct 23rd 1897

Granted May 17th 1898

Claims see annexed

back page 55



62 Brush

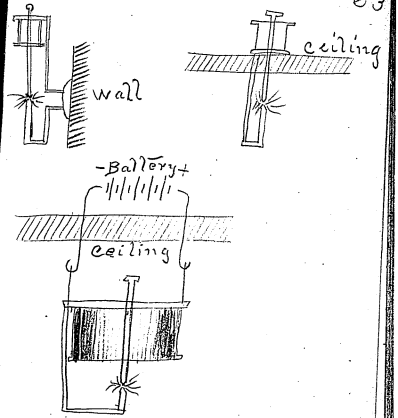
203411

Filed Sept 28th 1877

Granted May 7 1878

Modifications of above Patent

63



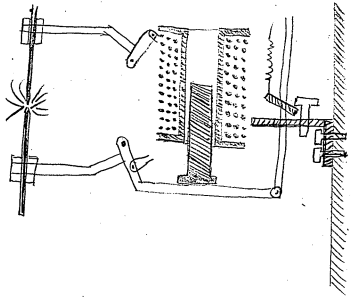
64/ Brush

#203411

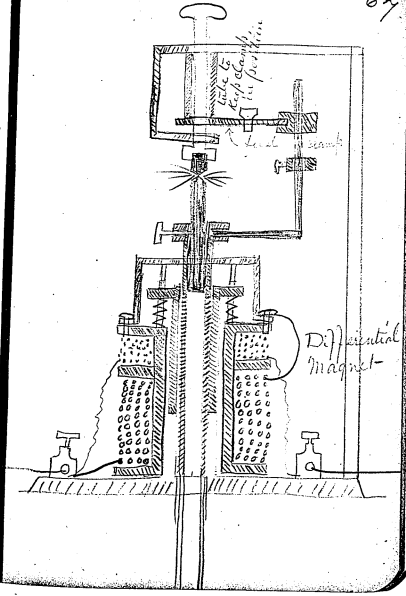
Filed Sept 28th 1897

Granted May 7th 1898

Modification of above Patent applied to a lamp stat mors bolt carbons

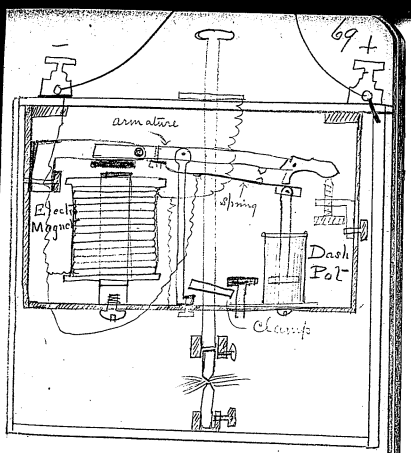


66) Brush Cleveland Ohio
212183
Filed May 7th 1878
Granted Feby 11th 1879
Claims see annexed book
page 57



68 Brush Cleveland Ohio
219213
Filed Oct 24th 1878
Granted Sept 2nd 1879
Claims - see annexed
book page 60

69



70 / Bonsh Cleveland ©

219209

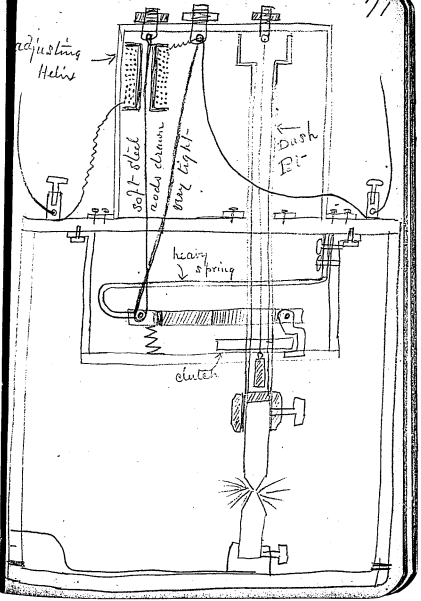
Filed May 16th 1879

Granted Sept 2nd 1879

It is the difference in temperature between the two wires and not the actual temperature of the wire outside the helix which determines the working of the apparatus - a difference of 200 degrees being sufficient

Claims See annexed book page 66

71



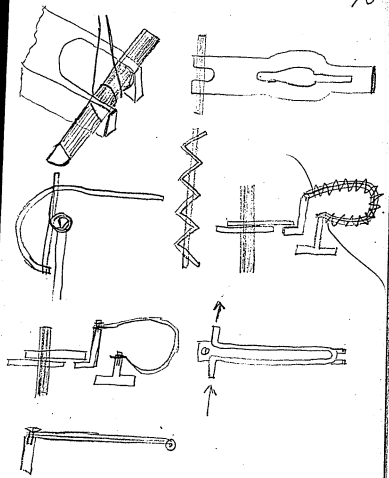
72 Brush

219209

Filed May 16th 1879

Granted Sept 2 1879

Modifications of above Patent –



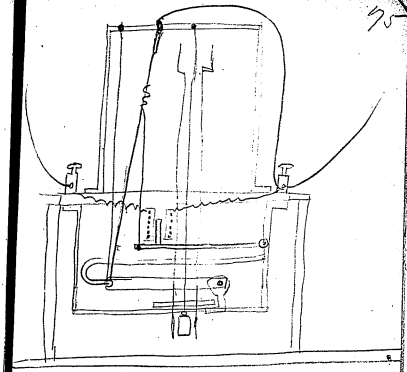
Brush

#219209

Filed May 16th 1879

Granted Sept 2nd 1879.

Modifications of above Patent



76 Brush Electrical ①

219211

Filed July 3rd 1879

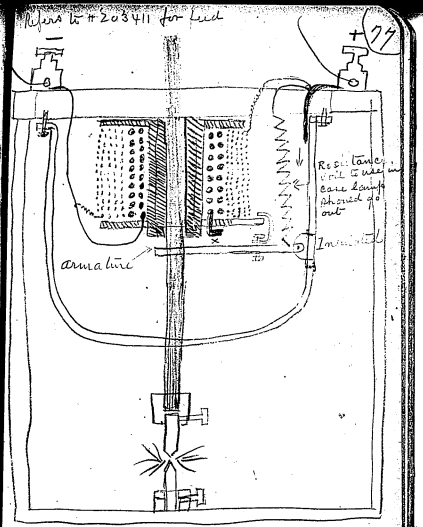
Granted Sept 2nd 1879

The coarse wire helix terminates blindly at X – The fine wire helix is always in close circuit with the lamp –

Refers to Lamp # 203411 – page 61 – for feed mechanism –

Claims see annexed book page 68

Refers to # 203411 for feed



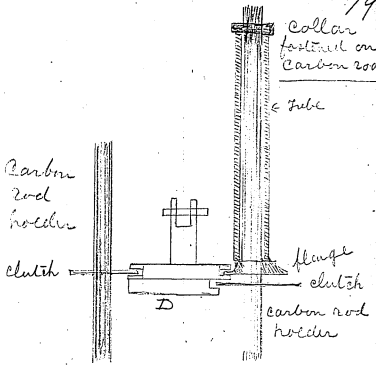
78

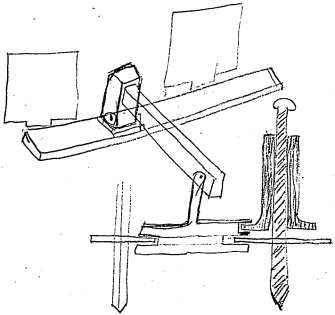
Brush
#219208
Filed May 15th 1879
Granted Sept 2nd 1879

Device for operating two sets carbons simultaneously or successively – The mechanism operating this lamp is the same as #203411 – Brush Page 60 this book – with the addition of a double lifting clamp D and a tube surrounding one of the carbon rod holders –

Claims see annexed book page 71

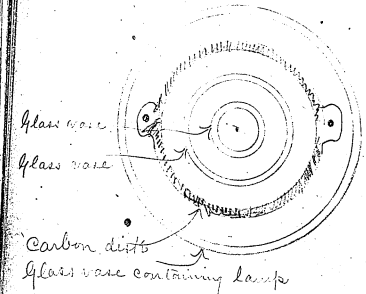
79

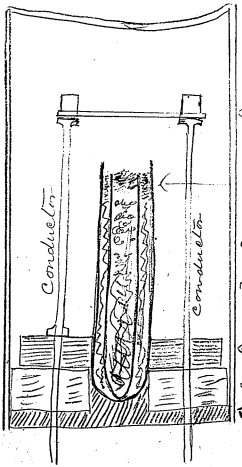




F. Salche
J. E. Brustlein } New York
P. Suy

242 051
Filed March 5th 1880
Granted May 24th 1881
Claims see page 95
annexed book





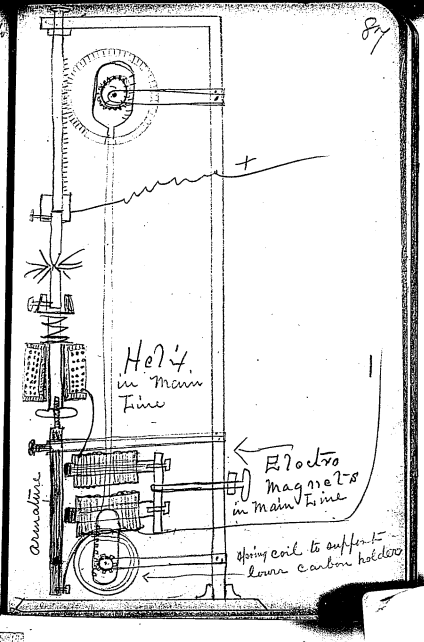
86 Day & Mansfield Ohio

#147827

Filed March 27th 1873

Granted Feb 24th 1874

Claims see annexed book page 77



88

Reynier Paris France

191477

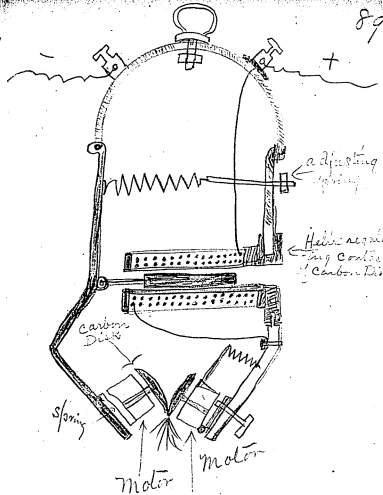
Filed March 29th 1877

Granted May 22nd 1877

Claims See annexed book

book page 79

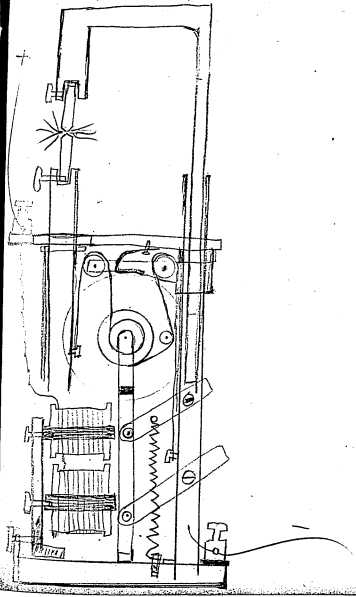
89



90 Burgin Basle Switzerland
#206083
filed april 16th 1878
granted july 16th 1878

Claims see annexed book
page 80

91

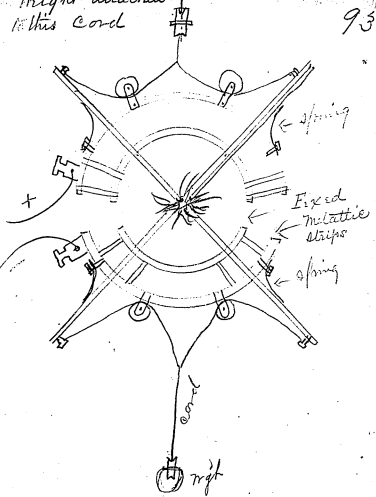


92 / Rogers Washington D.C.
210213
Filed Oct 24th 1878
Granted Nov 26th 1878

Claims see annexed book page 82

Might attached to this cord

93



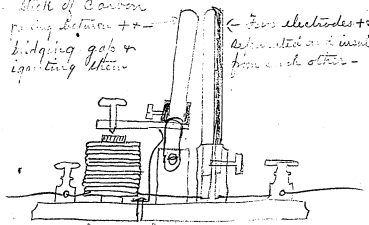
94/ Weston Newark N.J.

210380

Filed Nov 4th 1878

Granted Nov 26th 1878

Claims see annexed book page 83



96

Molera & Lebrian

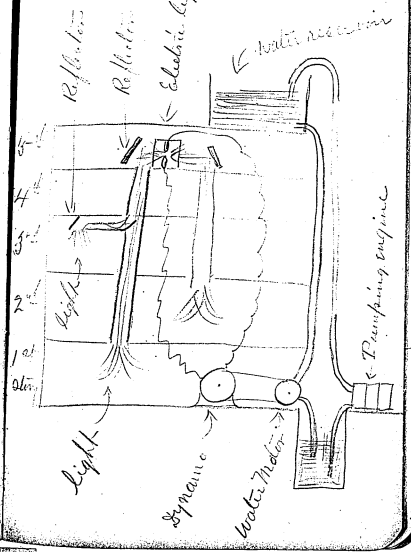
212040

Filed Sept 21st 1878

Granted Feb 4th 1879

Claims see answered book page 86

97



98 / Jenkins. Washington D.C.

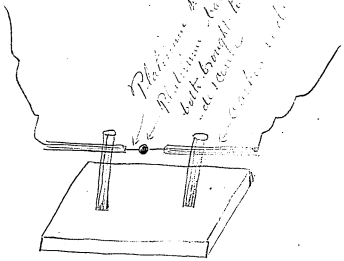
212851

Filed October 22d 1878

Granted March 4th 1879

Claims all answered book page 87

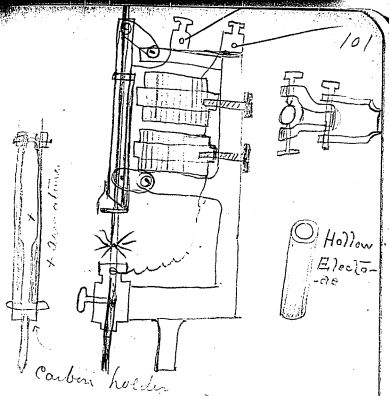
99



100 Diehl Elizabeth Mf.
214242
Filed Jan 25th 1899
Granted April 15th 1899

Claims See annexed bk page 88.

101



102 / Gilman Chicago

#215910

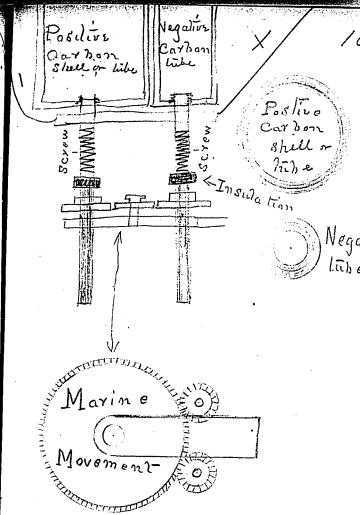
Filed Feb 24th 1879

Granted May 27 1879

The positive electrode is a tube about three the size of negative — are placed nearly in contact — rotated by clock work — The screw on each electrode is hollow — focuses the light & compensates for unequal consumption —

To light — introduces a small conductor between electrodes —

6 claims see annexed both page 89



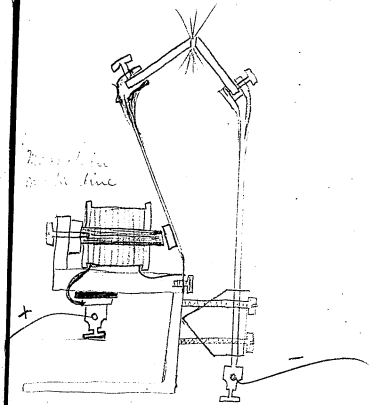
103

104/ Porter St Louis Mo
217744
Filed Jan 20 1879
Granted July 22 1879

Claims. See annexed book page 91

Vibrating

105



Gantt Louisville Ky

#218938

Filed March 15th 1879

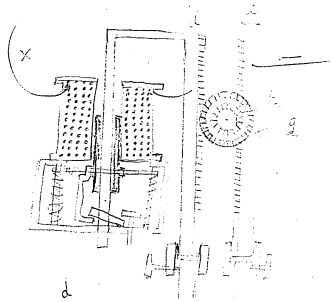
Granted Aug 26th 1879

Uses the "Brush" regulator

Object to produce a focusing lamp

claims see annexed

book page 93

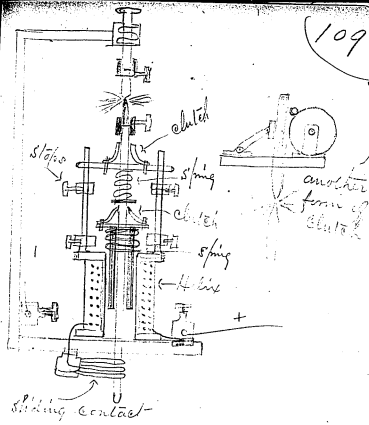


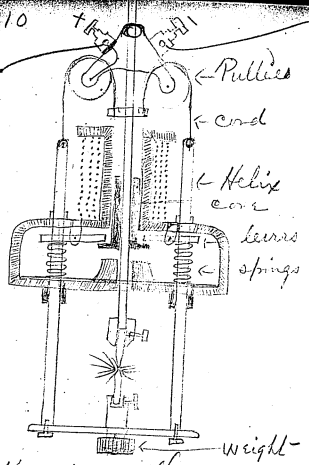
[illegible]

108) Houston - Thomson
Philadelphia Pa.
220287
Filed Jan 23rd 1879
Granted Oct 7th 1879

Claims are annexed book page 94

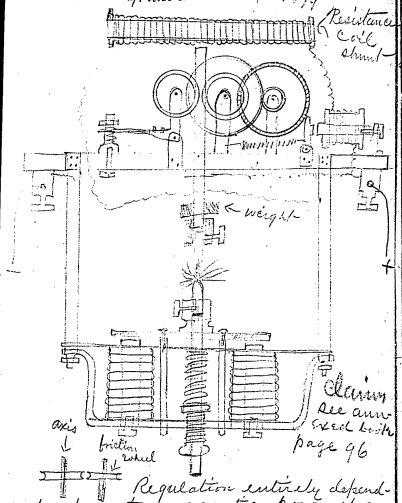
109





Houston - Thomson
Philadelphia Pa
Modification of #220287

Thomson - Houston Phila Pa
#220508 - filed June 11th 1879.
Granted Oct 14th 1879

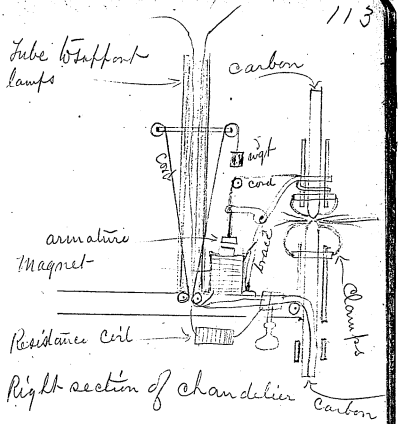


Claims see amd sheet both page 96

Regulation entirely dependent upon the magnetic power of a constant shunt circuit around the arc

Pendleton San Francisco
#220728
Filed March 18th 1879
Granted October 21st 1879

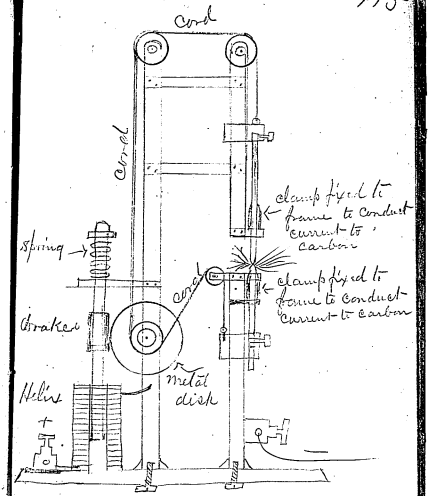
Claims see answered book page 100.



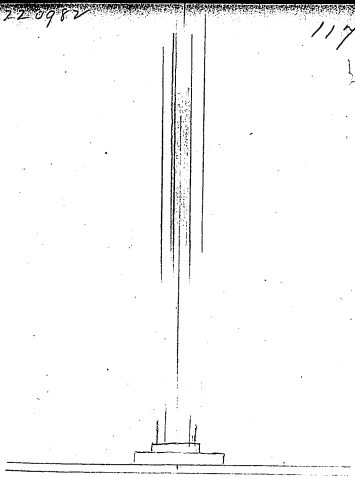
Right section of chandelier

114/ Holcombe Newyork
221918
Filed May 7th 1879
Granted Nov 25th 1879

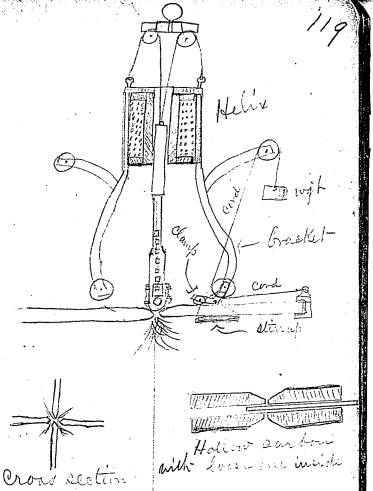
Claims see annexed book page 101.



220982

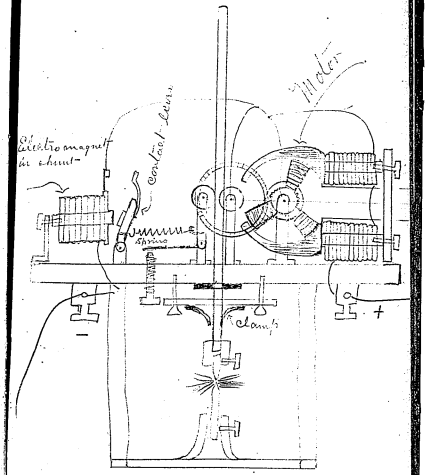


118 / Kippling Roselle N.J.
222503
Filed April 18th 1899
Granted Dec 9th 1899
Patd in France Jan 9th 1898
Claims acc. annexed book
page 103

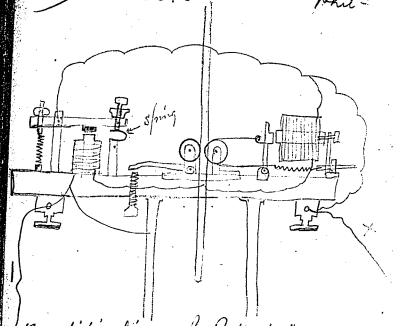


Houston – Thomson Patent
223646
Filed Nov 24th 1879
Granted Jan 20th 1880

claims see annexed book page 105

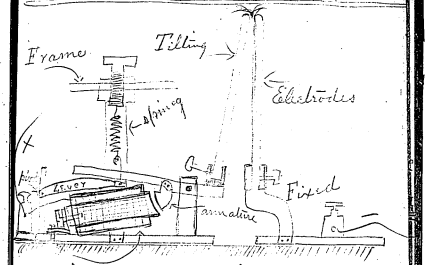


Houston - Thomson
#223646
Phil.



Modification of Patent #223646

Weston Newark N.J.
#225312 - filed Sept 28th 1878
Granted March 9th 1880

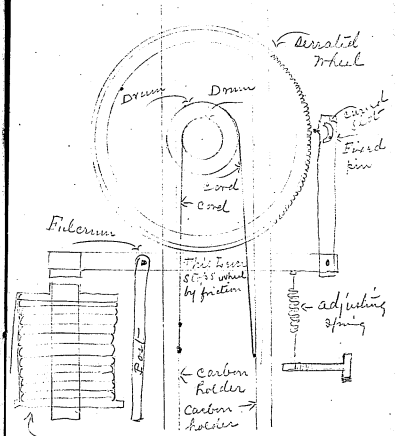


Claims see annexed book page 109

124 Keith Murpath
#227264
filed April 22nd 1879
granted May 4th 1880

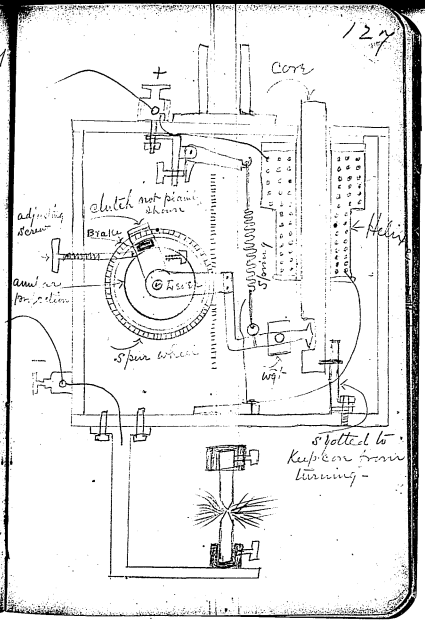
Regulator and feed mechanism

Claims see annexed book
page 112



No wire connections given in drawing - No way shown of forming the arc -

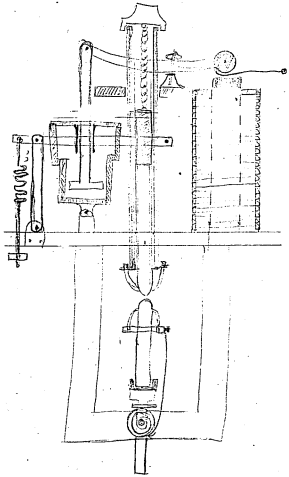
126 Bramsdorf - Pearl River N.Y.
227478
Filed May 31st 1879
Granted May 11th 1880
claims see annexed book
page 114



128 Heller – Mackintosh
No. 4 Bkly N.Y.
#229,246
Filed Sept 3rd 1879
Granted June 29th 1880

Claims see annexed book page 116

129

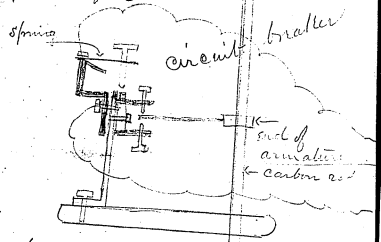


Kellogg. Hyde Park Ill

229596

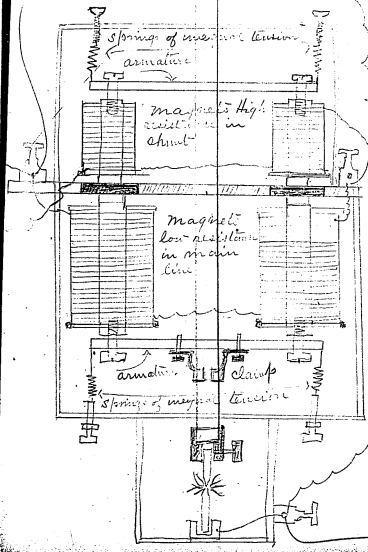
Filed Nov 20th 1879

Granted July 6th 1880



The springs being of unequal tension allow the armatures to tilt - carrying down the carbon holder - the clamp on lower armature is strong enough to hold weight of carbon - except at the time when the upper armature tilts and carries down the carbon rod -

Claims see annexed book page 121



132 Moffatt Brooklyn

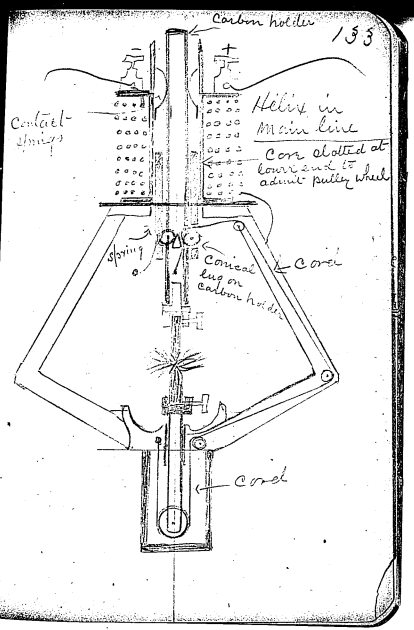
230801

Filed April 26th 1880

Granted Aug 3rd 1880

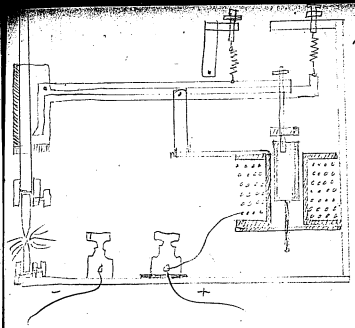
The lugs are fixed to the sides of cone - when cone is drawn up the lugs enter between wheels causing them to rotate - by friction producing the arc

Claims see page 126 annexed book



134 Holcombe Granby Conn
233096
Filed . May 20th 1880
Granted Oct 12th 1880

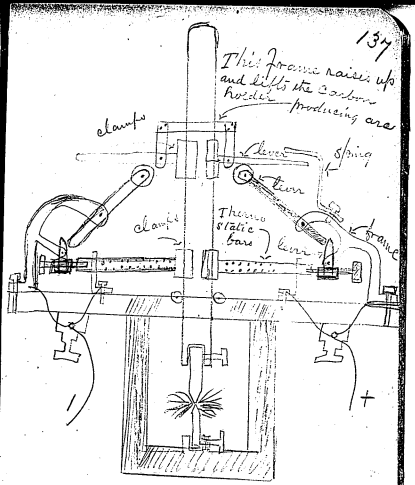
Claims See annexed book page 130



136 Guest Brooklyn N.Y.
233236
Filed July 7th 1880
Granted Oct 12th 1880

Claims are annexed
book page 133

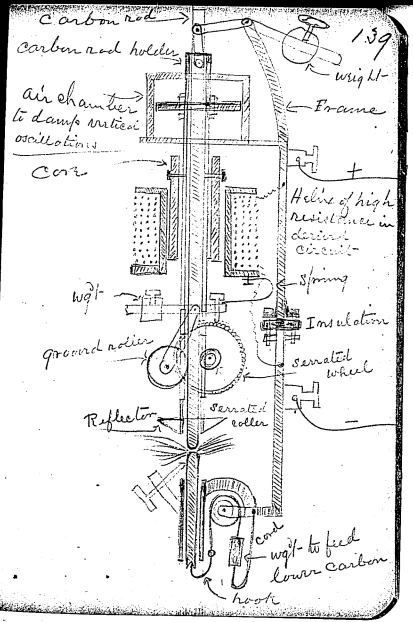
134



138 / Siemens
233289
Filed May 12th 1880
Granted Oct 12th 1880

Claims see annexed book page 135

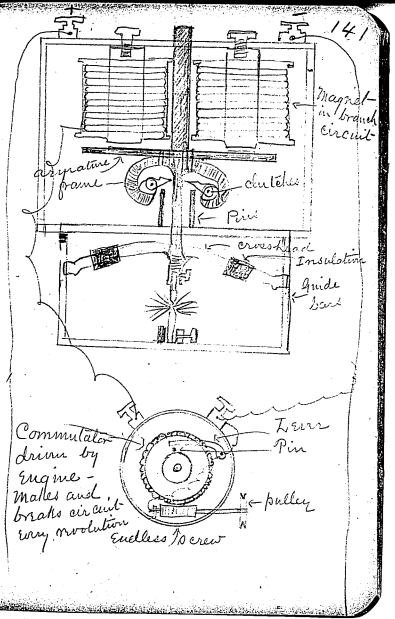
139



140 Brockie England
233399
Filed May 21st 1880
Granted Oct 19th 1880
Pat.d in England Sept 19th 1882

Claims are annexed to
page 138

141



142 Jacobs Toledo ①

233416

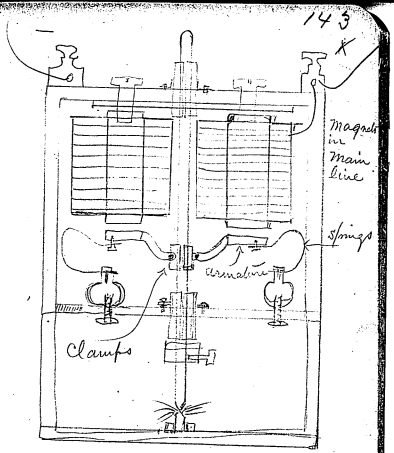
Filed July 31st 1880

Granted Oct 19th 1880

Magnets in main line

Claims see annexed book page 140

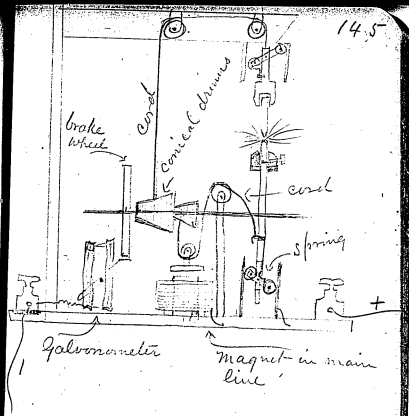
143



144 Harrison England
234032
Filed May 26th 1880
Granted Nov 2nd 1880

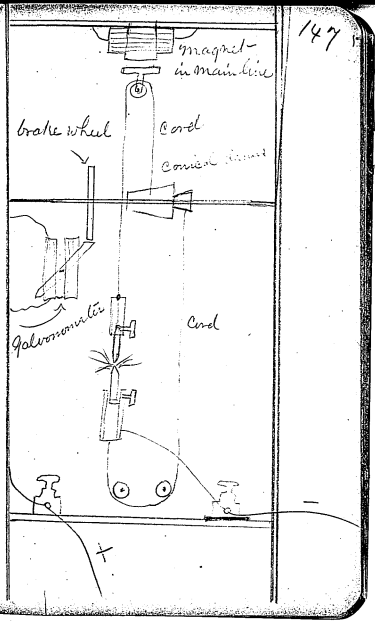
Patd in England Sept-25th 1879

Claims see annexed book page 142



146 Harrison England
234032

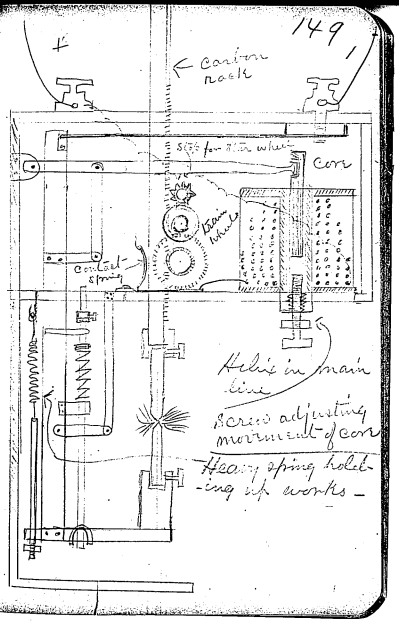
Modification of above Patent



148 Maxim
#234835
Filed May 4th 1880
Granted Nov 23rd 1880

Claims see annexed book page 143

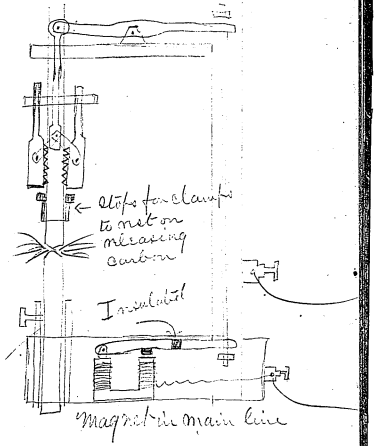
149



150 Langley Ann Arbor Mich
235258
Filed July 16th 1880
Granted Dec 7th 1880

claims see annexed book
page 146

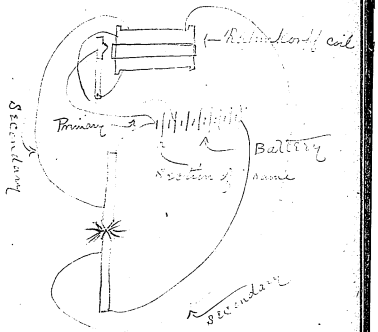
151



152 Rogers Washington D.C.
216760
Filed Dec 27th 1878
Granted June 24th 1879
claims see armored book
page 148

alternating current

153



J. Amin Paris France

#218749

Filed July 18th 1899

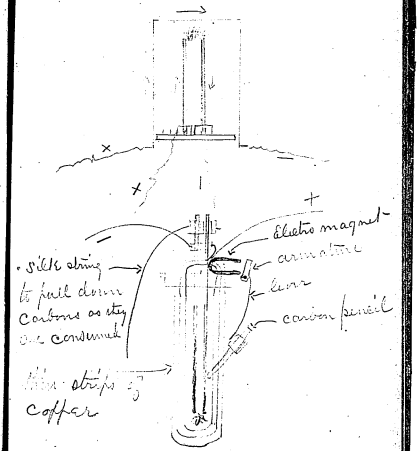
Granted Aug 19th 1899

The lamp is to be lighted by hand - by inserting a conductor between electrodes -

When lamp goes out - the armature drops down by its own weight - carrying lever and producing contact of carbon pencil with electrodes - this contact may run the place of the arcs of electrodes - but as the electrodes are small - inventor says will produce heat enough to bridge the gap so the current will pass & thus relight - lamp -

Claims are annexed book page 149

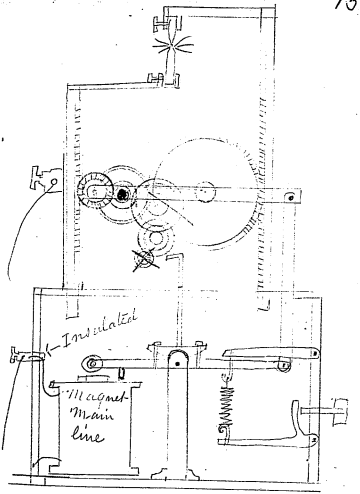
"alternating" current



156 Molymal Newyork
#123623
Granted Feb 20th 1872

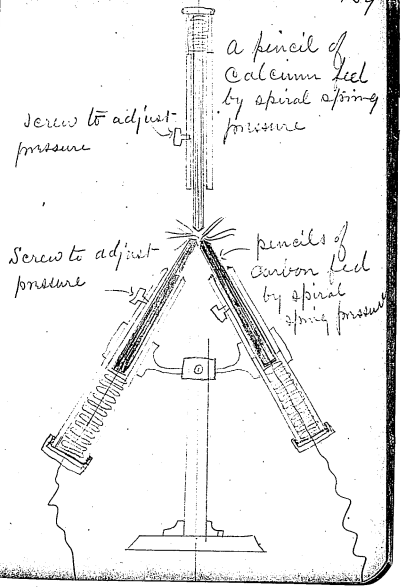
claims see annexed book
page 152

157



158) McCarthy Newyork
#220982
Filed March 17th 1879
Granted October 28th 1879

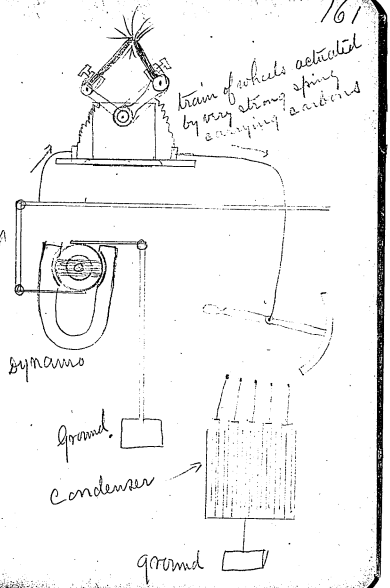
Claims all answered book page 153



160 Flanery Jackson Miss
223495
Filed Nov 6th 1879
Granted Jan 13th 1880

Train of wheels to be wound up periodically.

Claims see annexed link page 155

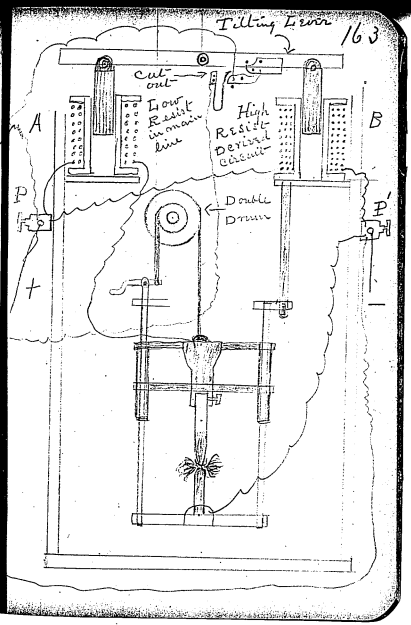


162 Hochhausen # 246137
Filed May 23rd 1881
Granted Aug 23rd 1881

The drawings representing this device are very obscure -

The double drum supporting the electrodes is fixed to the frame of lamp - It is connected to and operated by the tilting lever by means of ratchet & pawls detents - catches &c

Claims See annexed book page 163 -



164 Gordon England

234770

Filed Oct 2nd 1880

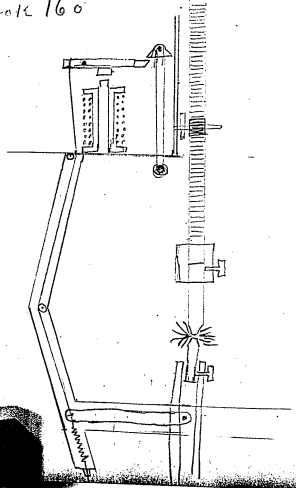
Granted Nov 25th 1880

Pat'd in England May 4th 1880

165

166

Heisler #239044
filed May 12th 1880
Granted March 22nd 1881
Claims see page annexed
book 160



167